

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 05-096168

(43)Date of publication of application : 20.04.1993

(51)Int.Cl.

B01J 23/56  
B01D 53/36  
B01J 21/06  
B01J 23/22  
B01J 23/34  
B01J 23/64  
B01J 23/78  
B01J 23/89

(21)Application number : 03-258839

(71)Applicant : MITSUBISHI HEAVY IND LTD

(22)Date of filing : 07.10.1991

(72)Inventor : IMAI TETSUYA

### (54) OXIDIZING CATALYST

#### (57)Abstract:

PURPOSE: To obtain an oxidizing catalyst for burning hydrogen, carbon monoxide, hydrocarbon, etc.

CONSTITUTION: (1) One of these oxidizing catalysts is formed by supporting at least one kind of metal element of group 1b, group 5a, group 6a, group 7a and group 8 or their oxides, an oxide of rare earth element and an oxide of alkali earth element on a carrier of compound oxide of titanium and aluminum.

(2) One of these oxidizing catalysts is an oxidizing catalyst (1) in which compound oxides of titanium and aluminum is molded as honeycomb style and (3) one of these oxidizing catalysts is formed by coating the catalyst (1) on a honeycomb style heat resistant substrate selected from a cordierite, a mullite and a crystalline compound oxide consisting of MgO, Al<sub>2</sub>O<sub>3</sub> and TiO<sub>2</sub>.